

Title (en)

ELECTRICAL CONNECTOR SYSTEM COMPRISING A SECONDARY LOCKING DEVICE

Title (de)

ELEKTRISCHES VERBINDERSYSTEM MIT SEKUNDÄRVERRIEGELUNGSVORRICHTUNG

Title (fr)

SYSTÈME DE CONNECTEUR ÉLECTRIQUE COMPRENANT UN DISPOSITIF DE VERROUILLAGE SECONDAIRE

Publication

EP 3706253 A1 20200909 (EN)

Application

EP 19161617 A 20190308

Priority

EP 19161617 A 20190308

Abstract (en)

The invention relates to an electrical connector system 10, in particular for a safety restraint system, comprising an electrical plug connector, including a connector housing 100 and at least two electrical contact elements 410, 420. The electrical connector system 10 further comprises a secondary locking device 300, wherein the secondary locking device includes a main body 302 and a first flexible arm 310. The main body 302 is provided with a pushing surface 340 for pushing the secondary locking device 300 from an unmated condition in a mated condition, along a mating direction A and the first flexible arm 310 extends from the pushing surface 340 to a first locking element 326. The first locking element 326 is provided at a distal portion of the first flexible arm and is adapted to lock with a corresponding first locking element of the plug connector, when the secondary locking device 300 is in the mated condition. The first flexible arm has a flexible rounded portion 314 at its proximal end that connects the first flexible arm 310 with the main body 302.

IPC 8 full level

H01R 13/627 (2006.01)

CPC (source: EP)

H01R 13/6272 (2013.01); **H01R 2201/26** (2013.01)

Citation (search report)

- [XII] EP 0921600 A2 19990609 - GAUKER BRADFORD K [US], et al
- [XAI] US 5803651 A 19980908 - SAITO HITOSHI [JP]
- [XAI] US 2017170601 A1 20170615 - CHEN PING [US], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3706253 A1 20200909; EP 3706253 B1 20240228

DOCDB simple family (application)

EP 19161617 A 20190308